

Our Docket No.: 01-00008
Inventors: Stuelpnagel et al.
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AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph at page 4, lines 10-22 and insert therefore:

Figures 1A, 1B, 1C, 1D, 1E and 1F [~~and 1E~~] depict several different "two component" system embodiments of the invention. In Figure 1A, a bead array is depicted. The first substrate 10 has array locations 20 with wells 25 and beads 30. The second substrate 40 has assay locations 45. An optional lens or filter 60 is also shown; as will be appreciated by those in the art, this may be internal to the substrate as well. Figure 1B is similar except that beads are not used; rather, array locations 20 have discrete sites 21, 22, 23, etc. that may be formed using spotting, printing, photolithographic techniques, etc. Figures 1C-F depict the use of a plurality of first substrates. Figure 1C depicts a "bead of beads" that may have additional use for mixing functions. Figure 1D depicts a plurality of bead arrays and Figure 1E depicts a plurality of non-bead arrays. Figure 1F depicts the use of binding functionalities to "target" first substrates 10 to locations on the second substrate 40; as will be appreciated by those in the art, this may be done on flat second substrates or on compartmentalized second substrates. Figure 1F utilizes binding ligand pairs 70/70', 71/71', 72/72', etc. These may be either chemical functionalities or biological ones, such as are described for IBL/DBL pairs, such as oligonucleotides, etc.